Mythbusters
Does music make plants grow better?

Name_____
Date_____
Block_____

The premise of this episode is to test whether talking to your plants, or playing them music will make them grow better.

What is **your** hypothesis? (remember that it needs to be in an 'if – then' form…
_____
_____

Watch the 'Mythbuster's' episode on this topic, and answer the following questions…

What was the Mythbuster's hypothesis? (remember, no first person pronouns)
_____
_____
_____

Describe the set-up of the their experiment. If you like, you can draw it out on a separate paper. Describe the different groups they had, how many of each plant they had, and how they treated each group.
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What was their control group?
_____
_____

What was the 'Independent' variable?
_____
_____

What was the 'Dependent' variable?
_____
_____

What are the 'controlled' variables?

Why did they have so many plants for each group?

In the middle of the experiment, something goes wrong, but they are able to continue the experiment. What goes wrong, and why are they able to continue?

What kind of data did they collect?

What was the final conclusion that the Mythbusters came to? What did their data tell them?

Now, take a look at your own experiment design. Compare your design to the Mythbusters. Answer the following questions in your comparison…

1) Name **at least** 4 **important** things that were different between your design, and the 'Mythbuster's' design. Why were these things important?

2) Name **at least** 4 things that you would change in your experiment design to improve it. Why would you change these things? How would it improve your design?

Write **at least** 2 well- written paragraphs in as much detail as possible – use another paper if necessary.